## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/11576

A. CLA	SSIFICATION OF SUBJECT MATTER	101/0304/113/	
IPC(7) : C01B 3/02; C01 B3/26; C01 B31/20			
US CL : 422/211, 212.; 423/648.1, 650, 651, 652			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 422/211, 212.; 423/648.1, 650, 651, 652			
Dogumentation and the death of the second se			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE			
NONE			
Electronic data base consulted during the international secret (name of the base)			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
TO DE ROBERTANT			
	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.
X	US, 5093102 A (DURAND et al.) 03 March 1992	(03.03.92), see col. 1, line 55 to col. 4,	1-51
x	line 26, especially col. 3, lines 11-20.		
^	US 4,946,667 A (BESHTY) O7 August 1990 (07.152, especially col. 3, lines 38-48.	08.90), see sol. 3, line 15 to col. 4, line	1-51
x	US. 4.986 978 A (DIPONT et al.) 22 January 100	1 (22 01 01)	
	US. 4,986,978 A (DUPONT et al) 22 January 199 5, line 20, especially col. 4, lines 20-32	1 (22.01.91), see col. 4, line 12 to col.	22-34
A	1, 11165 20 32		1 21 25 51
	1-21, 35-51		
x	WO 009200241 Al (SCHURMANS et al) 09 January 1992 (09.01.92), see Abstract.		
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Further	documents are listed in the second second		<u> </u>
	documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "T" later document published after the international filing date or pr			ernational filing date or priority
"A" document	defining the general state of the art which is not considered to be	date and not in conflict with the appli principle or theory underlying the inv	Cation but cited to understand the
of particul	ar relevance		1
"E" earlier app	olication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	claimed invention cannot be
		when the document is taken alone	ried to hivolve all inventive step
establish the publication date of another citation or other special reason (as "V"		"Y" document of particular relevance; the	alaimed impositor assess to
specified)	,	considered to involve an Inventive ste	D when the document is
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other suc being obvious to a person skilled in the	h documents, such combination
		·	e an
"P" document published prior to the international filing date but later than the "&" priority date claimed		"&" document member of the same patent	family
Date of the actual completion of the international search  Date of mailing of the international search report			
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13 August 2004 (13.08.2004)		10 00. 2007	
Name and mailing address of the ISA/US  A Mail Step BOT, August 1915		Authorized officer	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents W		WAYNE A. LANGEL	Q(1-160-11
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